

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number
WO 2004/111333 A2

(51) International Patent Classification⁷: **D21F 1/00**

(21) International Application Number:

PCT/EP2004/051056

(22) International Filing Date: 8 June 2004 (08.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/477,376 10 June 2003 (10.06.2003) US

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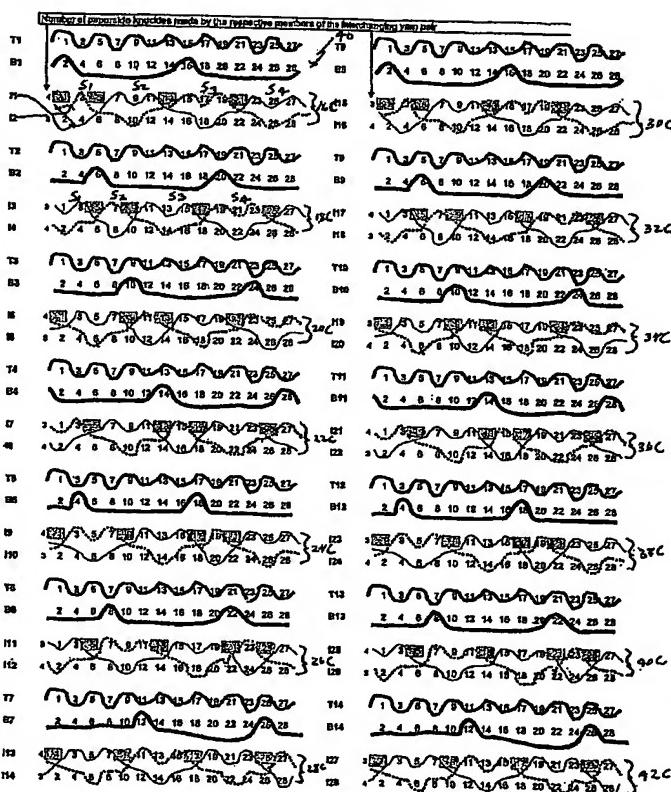
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

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(54) Title: FABRICS WITH MULTI-SEGMENT, PAIRED, INTERCHANGING YARNS



(57) Abstract: A composite forming fabric comprising a paper side layer having a paper side surface, a machine side layer having a bottom wear side surface, and a plurality of pairs of first and second intrinsic, interchanging weft binder yarns for binding together the paper side layer and the machine side layer. At least of said plurality of pairs of first and second intrinsic, interchanging weft binder yarns have at least four segments in the paper side layer within each repeat of the weave pattern in the fabric, and these segments provide an unbroken weft path in the paper side surface. Each of the first and second intrinsic, interchanging weft binder yarns of each binder pair having at least four segments in the paper side layer within each repeat of the weave pattern binds to at least one warp yarn in the machine side layer vertically underlying one of the segments.



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number
WO 2004/111333 A3

(51) International Patent Classification⁷:

D21F 1/00

9EH (GB). QUIGLEY, Scott [US/US]; Hunter Crossing 1203, Bossier City, LA 71111 (US).

(21) International Application Number:

PCT/EP2004/051056

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English

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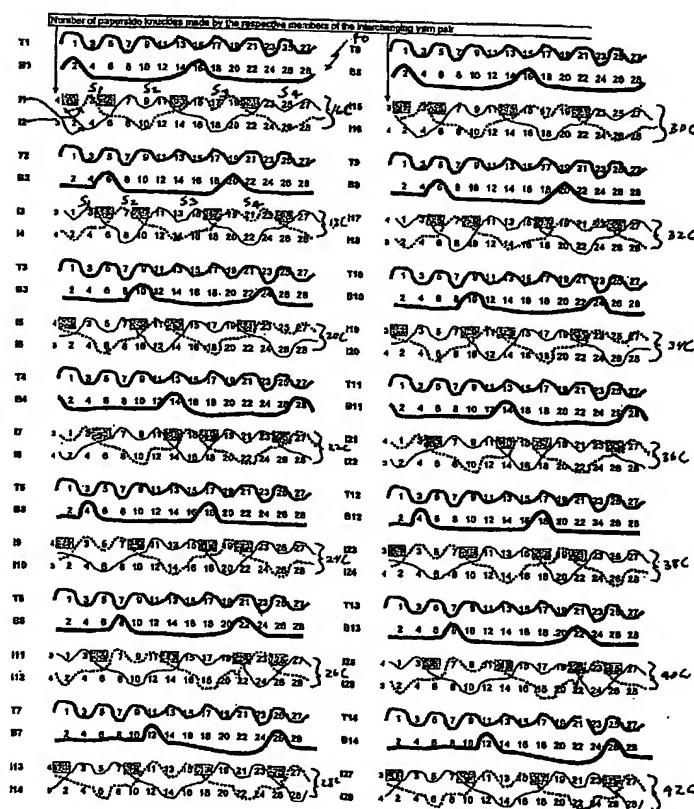
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(54) Title: FABRICS WITH MULTI-SEGMENT, PAIRED, INTERCHANGING YARNS



(57) Abstract: A composite forming fabric (10) comprising a paper side layer (12) having a paper side surface, a machine side layer (14) having a bottom wear side surface, and a plurality of pairs of first and second intrinsic, interchanging weft binder yarns (16, 18, 20, ..., 34) for binding together the paper side layer (12) and the machine side layer (14). At least of said plurality of pairs of first and second intrinsic, interchanging weft binder yarns have at least four segments (S1-S4) in the paper side layer (12) within each repeat of the weave pattern in the fabric, and these segments provide an unbroken weft path in the paper side surface. Each of the first and second intrinsic, interchanging weft binder yarns (16, 18, 20, ..., 34) of each binder pair having at least four segments (S1-S4) in the paper side layer (12) within each repeat of the weave pattern binds to at least one warp yarn (2-20) in the machine side layer (14) vertically underlying one of the segments (S1-S4).



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Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:

31 March 2005